

Appendix B:

Alternatives Screening Information

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Notes:

No figures are provided for Alternatives 12a and 13b.

* Figure from *Alternatives Screening Report, Moffat Collection System Project EIS*, August 2007.

TABLE B-1
"LONG LIST" OF
WATER SUPPLY SOURCES AND INFRASTRUCTURE COMPONENTS

Component/Water Source Eliminated at:

Screen 1A (Alternatives screened out or partially screened out in Screen 1A - see Water Source and Component columns)

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ID	Name	Basin/Major Tributary	Location/General Description	River/Stream	Potential Storage (AF)	Water Source	Component	Screen 1A Criteria
0	West Slope Components							
1	Ritschard Dam Enlargement	Colorado River	North of Kremmling. Existing earth/rockfill dam	Muddy Creek	Not Listed	--	X	LG3 Must be outside of lands that are integral to development plans of other entities
2	Haypark Dam Site	Colorado River	12 mi northeast of Kremmling, Colorado. New dam (type not specified)	East Fork of Troublesome Creek	20,100 - 31,000	X	X	PN2 Must supply water to Moffat Collection System
3	Jasper	Colorado River	1 mile west of Lake Granby in Grand County. New concrete gravity arch dam	Willow Creek	71,500	--	X	LG3 Must be outside of lands that are integral to development plans of other entities
4	Ranch Creek	Colorado River	3 mi east of Fraser. New roller-compacted concrete (RCC) dam	Ranch Creek	8,000	--	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
5	Vasquez Creek	Colorado River	Downstream of Tunnel No. 2 on the Moffat Collection System. New rockfill dam	Vasquez Creek	12,922	--	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
6	East Troublesome	Colorado River	14 mi northeast of Kremmling, Grand County. New dam (type not specified)	Troublesome Creek	Not Listed	X	X	PN2 Must supply water to Moffat Collection System
7	Rabbit Ears	Colorado River	11 mi upstream of confluence with Colorado River. New dam (type not specified)	Muddy Creek	Not Listed	X	X	PN2 Must supply water to Moffat Collection System
8	Meadow Creek	Colorado River	2 mi downstream of existing Meadow Creek Reservoir. New dam (type not specified)	Meadow Creek	Not Listed	--	X	LG2 Must be outside of national or state parks, wild and scenic areas, and Superfund sites
9	Williams Fork Extension	Colorado River	Extend Williams Fork Collection system south to Middle Fork and Short Creek, and north to Darling Creek. New network of canals, pipelines, tunnels and diversion structures	Williams Fork River	Not Applicable	X		
9 B	Williams Fork Collection System Expansion/Pumpback (South Fork Project)	Colorado River	Upstream of Williams Fork Reservoir. Requires South Fork Reservoir located upstream of the confluence of the Williams Fork River and the South Fork to provide West Slope storage for maximum yield. New dam as a forebay for pumping, in addition to canals, pipelines, tunnels, and diversion structures	South Fork of the Williams Fork River	Not Applicable	X	X	
10	Willow Creek	Colorado River	4 miles north of Granby. Existing embankment dam	Willow Creek	32,000	X	X	L11 Must not require Congressional action.
11	Dry Hollow Reservoir	Colorado River	Approximately 5 miles south of the Town of Silt, Garfield County. New dam site (type not specified)	Dry Hollow Creek	23,400	X	X	PN2 Must supply water to Moffat Collection System
12	Red Cliff (Iron Mountain)	Colorado River	Approximately 0.5 miles south from the confluence of Turkey Creek and Homestake Creek, Town of Red Cliff, Eagle County. New dam site (type not specified)	Homestake Creek	68,043	X	X	PN2 Must supply water to Moffat Collection System
13	Wolcott Dam (High Wolcott & Low Wolcott)	Colorado River	1 mile north of the town of Wolcott, Colorado, and 0.7 miles north of the Eagle River on Alkali Creek, a minor tributary of the Eagle River. New earthfill/rockfill dam	Off-channel	160,000 - 350,000	X	X	PN2 Must supply water to Moffat Collection System
14	Jasper North	Colorado River	1 mile west of Lake Granby on the Miller Hereford Ranch in Grand County. New earthfill/rockfill dam	Willow Creek	78,200	--	X	LG3 Must be outside of lands that are integral to development plans of other entities.
15	Ranch Valley	Colorado River	2 mi east of Tabernash. New RCC dam	Ranch Creek	20,000	--	X	EC3 Must not have any known environmental fatal flaws
16	Strawberry Creek	Colorado River	Near confluence of 3 branches of Strawberry Creek. New dam (type not specified)	Strawberry Creek	75,957	--	X	LP2 Water must be available from a legally and physically available source
17	Ute Creek	Colorado River	1.5 mi upstream of Ute Park. New dam (type not specified)	Williams Fork River	40,000	X	X	EC1 Must not involve new impoundments on major waterways
18	Trail Mountain	Colorado River	Grand County. New dam (type not specified)	Trail Creek	19,500	--	X	LP2 Water must be available from a legally and physically available source
19	Trail Creek	Colorado River	Grand County. New dam (type not specified)	Trail Creek	24,700	--	X	PN2 Must supply water to Moffat Collection System
20	Walden Hollow	Colorado River	Grand County. New dam (type not specified)	Walden Hollow	38,400	--	X	LP2 Water must be available from a legally and physically available source
21	Granby South	Colorado River	Grand County. New dam (type not specified)	Arapaho	17,600	X	X	LG2 Must be outside of national or state parks, wild and scenic areas, and Superfund sites
22	Coyote Creek	Colorado River	Grand County. New dam (type not specified)	Coyote Creek	67,900	--	X	PN2 Must supply water to Moffat Collection System
23	Lost Creek	Colorado River	Grand County. New dam (type not specified)	Tributary to Williams Fork River	3,000	--	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment

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"LONG LIST" OF
WATER SUPPLY SOURCES AND INFRASTRUCTURE COMPONENTS

Component/Water Source Eliminated at:

Screen 1A (Alternatives screened out or partially screened out in Screen 1A - see Water Source and Component columns)

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ID	Name	Basin/Major Tributary	Location/General Description	River/Stream	Potential Storage (AF)	Water Source	Component	Screen 1A Criteria
24	Goose Pasture Tarn	Upper Blue River sub-basin	Summit County. New dam (type not specified)	Upper Blue River	200-800	--	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
25	Sulphur Gulch Reservoir	Colorado River	3 mi southwest of the Town of DeBeque, Garfield County. New dam (type not specified)	Sulphur Gulch	Not Listed	X	X	PN2 Must supply water to Moffat Collection System
26	Old Dillon Rehabilitation	Colorado River	Between Dillon and Silverthorne	Blue River	<15,000	--	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
27	St. Louis Creek	Colorado River	8 mi southwest of Fraser. New dam (type not specified)	St. Louis Creek	2,000	--	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
28	Sawmill Meadows	Colorado River	Upstream of Sawmill Meadows. New dam (type not specified)	Meadow Creek	7,000	--	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
29	Jim Creek	Colorado River	1 mi upstream of Winter Park. New dam (type not specified)	Jim Creek	1,700	--	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
30	Blue River Sites above Dillon	Colorado River	Summit County. New dams (type not specified)	Tributaries to the Blue River	< 15,000	--	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
31	Crooked Creek A, B, D	Fraser River Basin	Grand County. New dams (type not specified)	Crooked Creek	18,500 - 39,556	X	X	LP2 Water must be available from a legally and physically available source
32	Jim Creek D	Fraser River Basin	Grand County. New dam (type not specified)	Jim Creek	22,874	X	X	LP2 Water must be available from a legally and physically available source
33	Meadow Creek C, E	Fraser River Basin	Grand County. New dams (type not specified)	Meadow Creek	16,771 - 39,966	X	X	LP2 Water must be available from a legally and physically available source
34	Pole Creek A, B, C	Fraser River Basin	Grand County. New dams (type not specified)	Pole Creek	19,740 - 25,469	X	X	LP2 Water must be available from a legally and physically available source
35	Ranch Creek D, E	Fraser River Basin	Grand County. New dams (type not specified)	Ranch Creek	62,967 - 68,190	X	X	LP2 Water must be available from a legally and physically available source
36	South Fork Ranch Creek B	Fraser River Basin	Grand County. New dam (type not specified)	South Fork Ranch Creek	32,915	X	X	LP2 Water must be available from a legally and physically available source
37	Vasquez Creek C, D	Fraser River Basin	Grand County. New dams (type not specified)	Vasquez Creek	24,227 - 27,074	X	X	ET2 Must not require extreme technical effort to overcome conditions at the site
38	West Elk Creek B	Fraser River Basin	Grand County. New dam (type not specified)	West Elk Creek	30,965	X	X	LP2 Water must be available from a legally and physically available source
39	Rock Creek	Colorado River	South of Gore Pass and Hwy 121. New dam (type not specified)	Rock Creek	Not Listed	X	X	PN2 Must supply water to Moffat Collection System
40	Red Mountain Dam site	Colorado River	1 mile east of Kremmling, Colorado. New RCC dam	Colorado River	84,000 - 140,000	X	X	EC1 Located on a major water way
41	Fraser River Basin (78 potential sites west of Continental Divide)	Fraser River Basin	Not Listed. New dams (various types)	Tributaries to the Fraser River	< 15,000	--	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
42	Indiana Creek Reservoir	Blue River Basin	Located on Upper Blue River sub-basin. New dam (type not specified)	Indiana Creek	680	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
43	Reservoir on lower Monte Cristo Creek	Blue River Basin	Located on Upper Blue River sub-basin. New dam (type not specified)	Monte Cristo Creek	100	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
44	Reservoir on Middle Fork Swan River	Blue River Basin	Located on Upper Blue River sub-basin. New dam (type not specified)	Middle Fork Swan River	9,500	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
45	Reservoir on Muggins Creek	Blue River Basin	Located on Upper Blue River sub-basin. New dam (type not specified)	Muggins Creek	2,100	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
46	Reservoir on North Barton Creek	Blue River Basin	Located on Upper Blue River sub-basin. New dam (type not specified)	North Barton Creek	565	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
47	Reservoir on Swan River mainstem	Blue River Basin	Located on Upper Blue River sub-basin. New dam (type not specified)	Swan River mainstem	5,100	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
48	Reservoir on upper Snake River mainstem	Blue River Basin	Located on Snake River sub-basin. New dam (type not specified)	Upper Snake River	6,300	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
49	Reservoir on Peru Creek	Blue River Basin	Located on Snake River sub-basin. New dam (type not specified)	Peru Creek	4,650	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
50	Reservoir on Chihuahua Gulch	Blue River Basin	Located on Snake River sub-basin. New dam (type not specified)	Chihuahua Gulch	8,743	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment

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ID	Name	Basin/Major Tributary	Location/General Description	River/Stream	Potential Storage (AF)	Water Source	Component	Screen 1A Criteria
51	Reservoir on Guller Creek	Blue River Basin	Located on Ten mile Creek sub-basin. New dam (type not specified)	Guller Creek	1,540	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
52	Reservoir on south tributary of Straight Creek	Blue River Basin	Located on Lower Blue River sub-basin. New dam (type not specified)	Straight Creek tributary	2,370	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
53	Azure Dam	Colorado River	Upper end of the Lower Gore Canyon, about 10 miles downstream from Kremmling. New arch dam	Colorado River	40,000 - 85,000	X	X	EC1 Must not involve new impoundments on major waterways
54	UNA Dam	Colorado River	At the Mesa-Garfield county line, between the towns of Parachute and DeBeque, Colorado, 35 miles northeast of Grand Junction, Colorado. New RCC or embankment dam (depending on storage capacity)	Colorado River	100,000 - 196,000	X	X	EC1 Must not involve new impoundments on major waterways
55	Yank Reservoir	Colorado River	Approximately 7 miles southwest of the town of Carbondale, Pitkin County. New dam (type not specified)	N. Thompson Creek	9,200	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
56	Wolf Creek Reservoir	White River	Approximately 30 miles northwest from the City of Meeker, Rio Blanco County. New dam (type not specified)	Wolf Creek	35,000 - 81,200	X	X	LG1 Must be within the State of Colorado and in South Platte and Colorado River Basins
57	Wray Reservoir	White River	Approximately 18 miles northwest from the City of Meeker, Rio Blanco County. New dam (type not specified)	Wray Gulch	13,500 - 29,300	X	X	LG1 Must be within the State of Colorado and in South Platte and Colorado River Basins
58	Osgood Reservoir	Colorado River	Approximately 8 miles north of Marble City, Pitkin County. New dam (type not specified)	Crystal River	128,728	X	X	PN2 Must supply water to Moffat Collection System
59	Placita Reservoir	Colorado River	Approximately 5 miles north of Marble City, Pitkin County. New dam (type not specified)	Crystal River	62,000	X	X	PN2 Must supply water to Moffat Collection System
60	Rio Blanco Reservoir	White River	Garfield County. New dam (type not specified)	South Fork White River	131,000	X	X	LG1 Must be within the State of Colorado and in South Platte and Colorado River Basins
61	Ruedi Reservoir	Colorado River	Approximately 8 miles east of the town of Carbondale, Pitkin County. New dam (type not specified)	Frying Pan River	Not Listed	X	X	L11 Must not require Congressional action
62	Matheson Rehabilitation	Colorado River	Near Kremmling. Existing embankment dam	Elk Creek	500 (lost volume)	--	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
63	Sylvan Rehabilitation	Colorado River	Near Parshall. Existing embankment dam	West Brush Creek	650 (lost volume)	--	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
64	St. Louis Creek A, C, D	Fraser River Basin	Grand County. New dams (type not specified)	St. Louis Creek	24,926 - 63,925	--	X	LG2 Must be outside of national or state parks, wild and scenic areas, and Superfund sites
65	West St. Louis Creek C	Fraser River Basin	Grand County. New dam (type not specified)	West St. Louis Creek	42,474	--	X	LG2 Must be outside of national or state parks, wild and scenic areas, and Superfund sites
68	Green Mountain Reservoir	Colorado River	North of Dillon. Existing embankment dam	Blue River	Not Listed	X	X	L11 Must not require Congressional action
69	Enlarge Lake Dillon	Colorado River	Dillon. Existing embankment dam	Blue River	Not Listed	X	X	PN3 Must produce a solution within the necessary near term timeframe
70	Enlarge Shadow Mountain	Colorado River	Grand County. Existing reservoir	Colorado River	Not Listed	X	X	L11 Must not require Congressional action
71	Enlarge Lake Granby	Colorado River	Grand County. Existing reservoir	Colorado River	Not Listed	X	X	L11 Must not require Congressional action
72	Enlarge Grand Lake	Colorado River	Grand County. Existing reservoir	N. Ptarmagin Crk. / East Paradise Creek	Not Listed	X	X	L11 Must not require Congressional action
73	ASR Subsurface Reservoir on Blue River	Blue River Basin	Located on Upper Blue River sub-basin. New aquifer storage recharge.	N/A	174 storage module capacity	--	X	LP1 Must be capable of storing at least 15,000 acre-feet
74	ASR Subsurface Reservoirs on Swan River mainstem	Blue River Basin	Located on Upper Blue River sub-basin. New aquifer storage recharge.	N/A	9 - 17 storage module capacity	--	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
75	Infiltration Gallery on Laskey Gulch	Blue River Basin	East of Silverthorne	Laskey Gulch	Not applicable	X	--	LP2 Water must be available from a legally and physically available source

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100	New Storage Components - Front Range nearby Plains							
101	Leyden Gulch Dam	South Platte	5 miles north of Golden, Colorado; southwest of the intersection of State Highway 93 and 72. New embankment dam	Leyden Gulch	30,000 - 60,000 Site may be able to accommodate 72,000	X	X	
102	Buck Gulch	St. Vrain River	1 mi from Allenspark. New embankment dam	Rock Creek	67,000	X	X	LG2 Must be outside of national or state parks, wild and scenic areas, and Superfund sites
103	Craig	South Platte	South of the Town of Bailey. New dam (type not specified)	Craig Creek	97,850	X	X	PN2 Must supply water to Moffat Collection System
104	Hackett	South Platte	10 miles upstream of Cheesman. New dam (type not specified)	South Platte	55,200	X	X	EC1 Must not involve new impoundments on major waterways
105	Buckingham	St. Vrain River	0.5 mi downstream of confluence of Left Hand and James Creek. New embankment or concrete gravity dam	Left Hand Creek	35,000	X	X	LP2 Water must be available from a legally and physically available source (water source eliminated)
106	Geer Canyon	St. Vrain River	5 mi North of Boulder. New rockfill dam	Left Hand Creek	25,000	X	X	LP2 Water must be available from a legally and physically available source (water source eliminated)
107	Lykens Gulch	St. Vrain River	5 mi south of Lyons. New embankment dam	Off-channel	20,000	X	X	LP2 Water must be available from a legally and physically available source (water source eliminated)
108	Stone Canyon	St. Vrain River	0.5 mi east of Lyons. New embankment dam	Tributary to North St. Vrain	31,800	X	X	LP2 Water must be available from a legally and physically available source (water source eliminated)
109	Thorodin	Boulder Creek	11 mi Southwest of Boulder. New embankment dam	S. Beaver Creek	33,000	X	X	LP2 Water must be available from a legally and physically available source (water source eliminated)
110	Tungsten	Boulder Creek	12 mi Southwest of Boulder. New embankment dam	Beaver Creek	74,000	X	X	ET2 Must not require extreme technical effort to overcome conditions at the site
111	Little Dry Creek	St. Vrain River	West of Boulder reservoir. New embankment dam	Little Dry Creek	3,700	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
112	Tani Lake	South Platte	Adams County. New dam (type not specified)	South Platte River	20,000	X	X	EC1 Must not involve new impoundments on major waterways
113	Toll Gate	South Platte	Arapahoe County. New dam (type not specified)	Toll Gate Creek	34,300	X	X	LG3 Must be outside of lands that are integral to development plans of other entities
114	Coal Creek	Boulder Creek	4 mi Southeast of Boulder. New embankment dam	Coal Creek	11,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
115	Tunnel No. 01 Dam site	Clear Creek	1.8 miles upstream from the mouth of Clear Creek Canyon, just upstream of U.S. Highway 6 Tunnel No. 01. New concrete arch dam	Clear Creek	120,000	X	X	EC1 Must not involve new impoundments on major waterways
116	Guy Gulch Dam site	Clear Creek	1.5 miles upstream from its confluence with Clear Creek (Guy Gulch), and 2.5 miles upstream from the confluence (Upper Guy Gulch). New RCC dams	Guy Gulch	35,000 - 80,000	X	X	ET2 Must not require extreme technical effort to overcome conditions at the site
117	Tucker Gulch Dam site	Clear Creek	2 miles west of the mouth of Golden Gate Canyon. New RCC dam	Off-channel	55,000	X	X	ET2 Must not require extreme technical effort to overcome conditions at the site
118	Soda Creek Dam site	Clear Creek	Approx. 1 mile upstream from confluence with Clear Creek. New RCC dam	Soda Creek	35000 - 80,000	X	X	
119	Fall River Dam site	Clear Creek	2 miles west of Idaho Springs and one-half mile upstream from Fall River's confluence with Clear Creek. New RCC dam	Fall River	45,000	X	X	ET2 Must not require extreme technical effort to overcome conditions at the site
120	Pine Ridge Dam site	Clear Creek	2 miles north of Golden and located west of the Dakota Hogback	Van Bibber Creek	25,000	X	X	ET2 Must not require extreme technical effort to overcome conditions at the site
121	Upper Ralston	South Platte	1 mi upstream of existing Ralston Reservoir. New rockfill dam	Ralston Creek	58,000	X	X	
122	Belcher Hill	South Platte	Upper Ralston Creek. New dam (type not specified)	Ralston Creek	12,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
123	Parks Alt. 1	St. Vrain River	5 mi west of Nederland. New embankment dam	Middle Boulder Creek	19,000	X	X	EC1 Must not involve new impoundments on major waterways

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124	Parks Alt. 2	St. Vrain River	3 mi west of Nederland. New embankment dam	Caribou Creek	18,000	X	X	LG2 Must be outside of national or state parks, wild and scenic areas, and Superfund sites
125	Teigen-Hansen	Boulder Creek	West of Highway 93 at the Boulder-Jefferson County Line. New dam (type not specified)	Coal Creek/South Boulder Creek	20,000 to 30,000	X	X	LG2 Must be outside of national or state parks, wild and scenic areas, and Superfund sites
126	Nederland	Boulder Creek	West of Nederland. New embankment dam	Middle Boulder Creek	80,000	X	X	EC1 Must not involve new impoundments on major waterways
127 A	Sixmile Canyon	St. Vrain River	4 mi north of Boulder. New embankment dam	Off-channel	18,000	X	X	LP2 Water must be available from a legally and physically available source
127 B	Dowe Flats	St. Vrain River	2 mi East of Lyons along Hwy 66. New embankment dam	Off-channel	119,000	X	X	LP2 Water must be available from a legally and physically available source (water source eliminated)
128 A	Spring Gulch	St. Vrain River	7 mi southwest of Carter Lake. New embankment dam	Tributary to North St. Vrain	12,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
128 B	Big John	St. Vrain River	3.5 mi Southeast of Allenspark. New embankment dam	Dry St. Vrain	30,000	X	X	LP2 Water must be available from a legally and physically available source (water source eliminated)
129	Tolland	Boulder Creek	Downstream of the east portal of the Moffat Railroad Tunnel, near the Town of Tolland. New dam (type not specified)	South Boulder Creek	Not Listed	X	X	EC1 Must not involve new impoundments on major waterways
130	Upper Elk Creek Reservoir (Tunnel No. 03/Bridge pumped storage)	Clear Creek	1 mile upstream from its confluence with Clear Creek. New RCC dam	Tributary to Elk Creek	Pumped storage potential active storage = 12,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
130 B	Elk Creek Reservoir-upper reservoir- (Tunnel No. 01/Bridge pumped storage)	Clear Creek	1 mile upstream from its confluence with Clear Creek. New RCC dam	Elk Creek	Pumped storage potential active storage = 12,000.	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
131	Wonderview	Boulder Creek	Upstream of Gross Reservoir. New arch or embankment dam	Black Gulch/South Boulder Creek	12,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
132	Siphon No. 05 Dam site	Boulder Creek	12 miles north of Golden, Colorado. New embankment dam	Dowdy Draw/Coal Creek	44,000	X	X	LG2 Must be outside of national or state parks, wild and scenic areas, and Superfund site
133	Tahosa	St. Vrain River	12 mi west of Lyons. New embankment dam	Cow Creek	15,000	X	X	LP2 Water must be available from a legally and physically available source (water source eliminated)
134	Antelope Park	St. Vrain River	Between Lyons and Button Rock Dam. New embankment dam	Off-channel	7,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
135	Broomfield	South Platte	Un-named stream near Lowell Blvd. and West Dillon Road. New embankment dam	Off-channel	21,900	X	X	LG3 Must be outside of lands that are integral to development plans of other entities
136	Chimney Hollow (and Lower Chimney)	Big Thompson River	Located adjacent to Carter Lake Reservoir, west of hogback. New concrete-faced rockfill dam	Off-channel	60,000 - 110,000	X	X	LG3 Must be outside of lands that are integral to development plans of other entities
137	Davidson	St. Vrain River	Southwest of Boulder. New embankment dam	Off-channel	17,100	X	X	LG2 Must be outside of national or state parks, wild and scenic areas, and Superfund site
138	Meadow Hollow	Big Thompson River	South of Carter Lake. New dam (type not specified)	Off-channel	Not Listed	X	X	PN3 Must produce a solution within the necessary near-term timeframe
139	Last Chance	St. Vrain River	9 mi east of Longmont. New embankment dam	St. Vrain	60,000	X	X	LI3 Must not require relocation of an Interstate Highway
140	Rock Creek	Boulder Creek	Southeast of Boulder. New embankment dam	Rock Creek	16,400	X	X	LG2 Must be outside of national or state parks, wild and scenic areas, and Superfund site
141	New Cheesman Reservoir	South Platte River	New dam (type not specified)	South Platte River	Not Listed	X	X	EC1 Must not involve new impoundments on major waterways
142	Small Two Forks	South Platte River	New dam (type not specified)	South Platte River	Not Listed	X	X	EC1 Must not involve new impoundments on major waterways
143	Rawhide North	Cache la Poudre	Larimer County. New dam (type not specified)	30,300 - 140,000	Not Listed	X	X	LG3 Must be outside of lands that are integral to development plans of other entities
144	Horse Creek Upper Reservoir (North Clear Creek/ Confluence pumped storage)	Clear Creek	1 mile upstream of the confluence of Horse Creek and North Clear Creek. New RCC dam	Horse Creek	Pumped storage potential active storage = 6,200	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
145	Little Thompson	Big Thompson River	4 mi south of Carter Lake. New dam (type not specified)	Little Thompson	46,000 to 305,000	--	X	EC1 Must not involve new impoundments on major waterways

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ID	Name	Basin/Major Tributary	Location/General Description	River/Stream	Potential Storage (AF)	Water Source	Component	Screen 1A Criteria
146	Howlett	St. Vrain Creek	Larimer County, 4 miles south of the confluence of the S. St. Vrain with S. Platte River. New embankment dam	Off-channel	4,000	X	X	LP1 Must be capable of storing at least 15,000 AF in any new surface impoundment.
147	Hardin	South Platte River	New dam (type not specified)	South Platte River	Not Listed	X	X	EC1 Must not involve new impoundments on major waterways
148	Sprenger Ranch	South Platte River	Larimer County. New dam (type not specified)	Big Thompson River	92,700	X	X	EC1 Must not involve new impoundments on major waterways
149	Berts Corner	South Platte River	Larimer County. New dam (type not specified)	Big Thompson River	10,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
150	Dry Creek	South Platte River	Larimer County. New dam (type not specified)	Big Thompson River	21,000 - 62,300	X	X	EC1 Must not involve new impoundments on major waterways
151	Big Hollow	South Platte River	Larimer County. New dam (type not specified)	Big Thompson River	7,100	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
152	Upper Buckhorn Creek	South Platte River	Larimer County. New dam (type not specified)	Big Thompson River	18,000 - 71,000	X	X	EC1 Must not involve new impoundments on major waterways
153	Lower Buckhorn Creek	South Platte River	Larimer County. New dam (type not specified)	Big Thompson River	60,000	X	X	EC1 Must not involve new impoundments on major waterways
154	Redstone Creek	South Platte River	Larimer County. New dam (type not specified)	Big Thompson River	80,000 - 208,000	X	X	EC1 Must not involve new impoundments on major waterways
155	Pole Hill Road	South Platte River	Larimer County. New dam (type not specified)	Big Thompson River	25,300	X	X	EC1 Must not involve new impoundments on major waterways
156	Gravel Pit Storage	South Platte River	Various Front Range sites	Near South Platte River	Varies	--	X	
157	Several small St. Vrain basin reservoirs	St. Vrain River	Boulder County. New dams (type not specified)	Tributaries to the St. Vrain River	< 15,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
158	Frederick	St. Vrain River	East of I-25, Frederick quadrangle. New embankment dam	Little Dry Creek	17,900	X	X	LI3 Must not require relocation of an Interstate Highway
159	Bridge Dam site	Clear Creek	0.4 miles downstream of the confluence of Clear Creek with Guy Gulch and at the existing U.S. Highway 6 bridge over Clear Creek. New concrete arch dam	Clear Creek	42,000 - 120,000	X	X	EC1 Must not involve new impoundments on major waterways
160	Tunnel No. 03 Dam site	Clear Creek	8 miles upstream from the mouth of Clear Creek Canyon and just upstream of U.S. Highway 6, Tunnel No. 03. New concrete arch dam	Clear Creek	120,000	X	X	EC1 Must not involve new impoundments on major waterways
161	Confluence Dam site	Clear Creek	Downstream of the confluence of North Clear Creek and Clear Creek. New RCC dam	Clear Creek	45,000	X	X	EC1 Must not involve new impoundments on major waterways
162	Empire	Clear Creek	Clear Creek County. New dam (type not specified)	West Clear Creek	77,000	X	X	EC1 Must not involve new impoundments on major waterways
163	North Clear Creek	Clear Creek	One mile upstream from its confluence with Clear Creek. New concrete-faced rockfill dam	North Clear Creek	65,000 - 110,000	X	X	EC1 Must not involve new impoundments on major waterways
164	Guy Gulch Left Hand Reservoir - upper reservoir- (Tunnel No. 01 pumped storage)	Clear Creek	0.5 mile upstream from Guy Gulch. New RCC dam	Tributary to Guy Gulch	Pumped storage potential active storage = 3,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
165	Centennial Dam site	Clear Creek	3 miles downstream of the confluence with North Clear Creek and 8 miles from the mouth of the canyon at Golden. This dam site is 1 mile upstream of Tunnel No. 03 site. New concrete arch dam	Clear Creek	110,000 - 230,000	X	X	EC1 Must not involve new impoundments on major waterways
167	Estabrook Site # 1	South Platte	Southeast of Town of Bailey. New concrete arch dam	North Fork South Platte River	233,000	X	X	EC1 Must not involve new impoundments on major waterways
168	Estabrook # 2	South Platte	Southeast of the Town of Bailey. New concrete arch dam	North Fork South Platte River	405,000	X	X	EC1 Must not involve new impoundments on major waterways
169	Shawnee	South Platte	West of the Town of Bailey. New dam (type not specified)	North Fork South Platte River	50,000	X	X	EC1 Must not involve new impoundments on major waterways

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ID	Name	Basin/Major Tributary	Location/General Description	River/Stream	Potential Storage (AF)	Water Source	Component	Screen 1A Criteria
170	Double M	South Platte	Park County. New dam (type not specified)	South Platte	21,330	X	X	EC1 Must not involve new impoundments on major waterways
171	Grant (Geneva Creek Reservoir)	South Platte	Park County. New dam (type not specified)	Geneva Creek	37,700	X	X	
172	Coffintop	St. Vrain River	1 mi southwest of Lyons. New rockfill dam	South St. Vrain	116,000	X	X	EC1 Must not involve new impoundments on major waterways
173	Sherwood	St. Vrain River	North of Barker Reservoir. New embankment dam	North Boulder Creek	35,000	X	X	EC1 Must not involve new impoundments on major waterways
174	Smithy Mountain	St. Vrain River	0.5 mi downstream of Button Rock Dam. New embankment dam	North St. Vrain	73,800	X	X	EC1 Must not involve new impoundments on major waterways
175	Bradley Ranch	St. Vrain River	10 mi west of Boulder. New embankment dam	North Boulder Creek	77,700	X	X	EC1 Must not involve new impoundments on major waterways
176	Little Narrows	St. Vrain River	3 mi upstream of Lyons. New embankment or concrete gravity dam	South St. Vrain	23,000	X	X	EC1 Must not involve new impoundments on major waterways
177	Little South St. Vrain	St. Vrain River	3 mi Northwest of Jamestown. New embankment dam	South St. Vrain	37,000	X	X	EC1 Must not involve new impoundments on major waterways
178	Longmont Sugar Plant	St. Vrain River	Southeast of Longmont. New embankment dam	St. Vrain	44,000	X	X	EC1 Must not involve new impoundments on major waterways
179	Lookout	St. Vrain River	2 mi Northwest of Lyons. New embankment dam	North St. Vrain	43,000	X	X	EC1 Must not involve new impoundments on major waterways
180	Rowell Hill	St. Vrain River	2 mi Northwest of Lyons. New embankment dam	North St. Vrain	47,000	X	X	EC1 Must not involve new impoundments on major waterways
181	Sheep Mountain	St. Vrain River	2 mi upstream of Button Rock. New concrete arch or embankment dam	North St. Vrain	11,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
182	Steamboat Mountain	St. Vrain River	0.5 mi upstream of Lyons. New embankment dam	North St. Vrain	55,000	X	X	EC1 Must not involve new impoundments on major waterways
183	Chimney Rock	St. Vrain River	1 mi downstream of Button Rock Dam. New embankment dam	North St. Vrain	1,500	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
184	Cook Mountain	St. Vrain River	5 mi east of Button Rock Dam. New embankment dam	North St. Vrain	6,200	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
185	Coulsen Gulch	St. Vrain River	2 mi east of Button Rock Dam. New embankment dam	North St. Vrain	7,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
186	Lower South St. Vrain	St. Vrain River	1 mi upstream of Coffintop. New embankment dam	South St. Vrain	2,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
187	Orodel	St. Vrain River	2 mi west of Boulder. New embankment dam	Boulder Creek	8,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
188	Red Hill	St. Vrain River	1 mi south of Lyons. New embankment dam	Tributary to South St. Vrain	8,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
189	Southwestern Portland Cement Pits	St. Vrain River	Lyons, Boulder County. New embankment dam	Off-channel	4,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
190	Table Mountain	St. Vrain River	East of Table Mountain. New embankment dam	Dry Creek	5,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
191	Upper South St. Vrain	St. Vrain River	12 mi southwest of Lyons. New embankment dam	South St. Vrain	4,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
192	Highway 93 flood storage site	Boulder Creek	West of Highway 93. New embankment dam	South Boulder Creek	1,560 - 4,850	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
193	Highway 36 flood storage site	Boulder Creek	South of Highway 36. New embankment dam	South Boulder Creek	570 - 1,100	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
194	Erie	St. Vrain River	0.5 mi south of Erie. New embankment dam	Coal Creek	4,000 - 9,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
195	Harney	St. Vrain River	Southeast of Longmont. New embankment dam	Off-channel	4,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
196	Oligarchy	St. Vrain River	5 mi east of Longmont. New embankment dam	Off-channel	3,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment

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ID	Name	Basin/Major Tributary	Location/General Description	River/Stream	Potential Storage (AF)	Water Source	Component	Screen 1A Criteria
197	Pearl	St. Vrain River	4 mi southeast of confluence of St. Vrain and South Platte River. New embankment dam	Off-channel	2,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
198	Potato Hill	St. Vrain River	5 mi Southeast of Lyons. New embankment dam	Off-channel	5,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
199 A	Red Gulch	St. Vrain River	2 mi southeast of Lyons. New embankment dam	St. Vrain Creek	5,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
199 B	Niwot	St. Vrain River	East of Boulder Reservoir. New embankment dam	Dry Creek	3,400	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
199 C	Narrows Dam	South Platte River	South Platte River about 7 miles northwest of Fort Morgan, Colorado. New embankment dam	South Platte River	1,100,000	X	X	EC1 Must not involve new impoundments on major waterways
199 D	Portal Dam site	Cache la Poudre	4.3 miles downstream from the confluence with the North Fork. New concrete gravity dam	Cache la Poudre River	217,000 - 310,000	X	X	EC1 Must not involve new impoundments on major waterways
199 E	Grey Mountain Dam site	Cache la Poudre	2 miles downstream of the confluence with the North Fork Cache la Poudre. New concrete arch dam	Cache la Poudre River	131,000 - 204,000	X	X	EC1 Must not involve new impoundments on major waterways
199 F	Poudre Reservoir	Cache la Poudre	0.3 miles downstream from the confluence with the North Fork. New RCC gravity dam	Cache la Poudre River	55,000 - 143,000	X	X	EC1 Must not involve new impoundments on major waterways
199 G	New Halligan Reservoir	Cache la Poudre	Approximately 4,000 ft downstream from the existing Halligan Dam. New RCC gravity dam	North Fork Cache la Poudre River	35,300 - 62,900	X	X	EC1 Must not involve new impoundments on major waterways
199 H	Greyrock-Trailhead pumped-storage	Cache la Poudre	Greyrock (upper dam): approximately 4 miles north-west of the confluence with the North Fork Trailhead (lower dam): approximately 0.7 miles upstream of the confluence with the North Fork. New RCC gravity dam(s)	North Fork Cache la Poudre River	upper dam: 27,500 Lower dam: 24,500	X	X	EC1 Must not involve new impoundments on major waterways
199 I	Rockwell Reservoir (site C)	Cache la Poudre	10 miles upstream of the confluence with the Cache la Poudre river. New concrete gravity dam	South Fork Cache la Poudre River	50,000 - 86,000	X	X	EC1 Must not involve new impoundments on major waterways
199 J	New Seaman Reservoir	Cache la Poudre	1.3 miles upstream of the confluence with the mainstem. New RCC and CVC gravity dam	North Fork Cache la Poudre River	25,000 - 205,000	X	X	EC1 Must not involve new impoundments on major waterways
199 K	Glade Reservoir	Cache la Poudre	1.5 miles north of Ted's Place along Highway 287 in the vicinity of Hook and Moore Glade. New rockfill dam	Off-channel	57,100 - 320,950	X	X	LG3 Must be outside of lands that are integral to development plans of other entities
199 L	Footbridge Reservoir	Cache la Poudre	2.6 miles upstream of the confluence with the North Fork Cache la Poudre River. New RCC dam	Cache la Poudre River	1,800	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
199 M	Elkhorn Dam site	Cache la Poudre	Upper end of the Big Narrows, about two miles downstream from its confluence with the South Fork. New RCC gravity dam	Cache la Poudre River	196,000	X	X	EC1 Must not involve new impoundments on major waterways
199 N	Indian Meadows Dam site	Cache la Poudre	4 miles downstream from the town of Rustic. New RCC gravity dam	Cache la Poudre River	58,000 - 190,000	X	X	EC1 Must not involve new impoundments on major waterways
199 O	Idylwilde Dam	Cache la Poudre	Five miles upstream of the town of Rustic. New RCC gravity dam	Cache la Poudre River	200,000	X	X	EC1 Must not involve new impoundments on major waterways
199 P	Rueter-Hess Reservoir	South Platte River	Located on Newlin Gulch, approximately 3 miles southwest of downtown Parker in Douglas, Colorado. New embankment dam	Off-channel	11,200 - 16,200	X	X	LG3 Must be outside of lands that are integral to development plans of other entities
199 Q	Calloway Hill	Cache la Poudre	Cache la Poudre, 13 miles upstream. New RCC dam	North Fork Cache la Poudre River	36,000 - 63,000	X	X	EC1 Must not involve new impoundments on major waterways
199 R	Upper Poudre	Cache la Poudre	4 miles upstream of confluence of Cache la Poudre and Joe Wright Creek. New dam (type not specified)	Cache la Poudre River	37,000	X	X	EC1 Must not involve new impoundments on major waterways
199 S	Sheep Creek	Cache la Poudre	2.5 miles upstream of confluence with Cache la Poudre. New dam (type not specified)	Sheep Creek	532	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
199 T	Box Elder	Cache la Poudre	15 miles north of Fort Collins near Buckeye. New embankment dam	Box Elder Creek	20,300	X	X	LP2 Water must be available from a legally and physically available source (water source eliminated)
199 U	Cactus Hill	Cache la Poudre	4 miles east of Cobb Lake. New embankment dam	Black Hollow Creek	104,071	X	X	LG3 Must be outside of lands that are integral to development plans of other entities
199 V	Rawhide	Cache la Poudre	20 miles north of Fort Collins near Buckeye. New embankment dam	Rawhide Creek/Coal Creek	11,200 - 30,300	X	X	LG3 Must be outside of lands that are integral to development plans of other entities
199 W	Upper Black Hollow Reservoir	Cache la Poudre	5 miles east of Wellington. New embankment dam	Unnamed tributary to Dry Creek	10,700	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment

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199 X	Hydraulic Lab	St. Vrain River	2 miles north east of Allenspark. New embankment dam	North St. Vrain Creek	18,000	X	X	EC1 Must not involve new impoundments on major waterways
199 Y	Rinn Valley	St. Vrain River	Gowanda quad, south-east of Longmont. New embankment dam	Unnamed stream	5,600	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
199 Z	Beaver	South Platte	Boulder County. New rockfill dam	St. Vrain	7,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
199 AA	South Platte	Lower South Platte River	On South Platte 7 miles upstream of Ft. Morgan. New earthfill dam	South Platte River	656,000	X	X	EC1 Must not involve new impoundments on major waterways
199 AB	Wildcat	Lower South Platte River	8 miles north of Ft. Morgan. New embankment dam	Wildcat Creek (intermittent)	60,000	X	X	LP2 Water must be available from a legally and physically available source (water source eliminated)
199 AC	Weld	Lower South Platte River	East of Riverside reservoir. New embankment dam	South Platte River	1,962,000	X	X	EC1 Must not involve new impoundments on major waterways
199 AD	Lone Tree Creek	Lower South Platte River	Northern Weld County east of I-25. New embankment dam	Lone Tree Creek	14,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
199 AE	Spring Creek	Lower South Platte River	Northern Weld County east of I-25, near Ault. New embankment dam	Spring Creek	27,500	X	X	LP2 Water must be available from a legally and physically available source (water source eliminated)
199 AG	North Sheep Mountain	St. Vrain River	3 mi west of Button Rock. New concrete arch dam	North St. Vrain	30,000	X	X	EC1 Must not involve new impoundments on major waterways
199 AH	Left Hand Valley	St. Vrain River	Boulder County. New embankment dam	Tributary to Left Hand Creek	3,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
199 AI	Two Forks Reservoir	South Platte River	Approximately 1 mile downstream from the confluence of the North Fork South Platte River and the South Platte River. New dam (type not specified)	South Platte River	400,000 - 1,100,000	X	X	EC1 Must not involve new impoundments on major waterways
199 AJ	Several small Big Thompson basin reservoirs	Big Thompson River	Larimer County. New dams (type not specified)	Various	< 15,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
199 AK	Several small Cache la Poudre basin reservoirs	Cache la Poudre	Larimer County. New dams (type not specified)	Various	< 15,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
200	Existing Reservoir Components - Front Range (Enlargement/Repairs)							
201	Ralston Dam	South Platte	West of Highway 93 and North of Golden. Existing embankment dam	Ralston Creek	4,800 to about 57,000	--	X	
202	Long Lakes (Upper and Lower)	South Platte	West of Highway 93 and South of Ralston reservoir. Existing embankment dam	Ralston Creek	< 15,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
203	Strontia Springs Reservoir	South Platte River	6.5 miles upstream of the mouth of Waterton Canyon on the South Platte river. Existing concrete arch dam	South Platte River	Not Listed	X	X	PN2 Must supply water to Moffat Collection System
204	Enlarge Marston Lake	South Platte River	At the Marston Treatment Plant, 6100 West Quincy Avenue, between Sheridan and Wadsworth. Existing earthfill dam	Off-channel	Not Listed	X	X	PN3 Must produce a solution within the necessary near term timeframe
205	Great Western	South Platte River	Approximately 14 miles NNW of Denver, on Jefferson County. Existing earthfill dam	Walnut Creek	9,630	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
206	Fortune Reservoir	South Platte River	West of Standley Lake. Existing earthfill dam	Off-channel	< 15,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
207	Barker Dam	Boulder Creek	Nederland. Existing concrete dam	Middle Fork Boulder Creek	Not Listed	X	X	PN3 Must produce a solution within the necessary near term timeframe
208	Lake Thomas	South Platte River	East of Longmont, 3 mi east of the Town of Mead. Existing earthfill dam	St. Vrain Creek	< 15,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
209	Big Windsor Res.	Cache la Poudre	Weld County, approx. 10 miles southeast of Ft. Collins. Existing embankment dam	Off-channel	29,200	X	X	LP2 Water must be available from a legally and physically available source (water source eliminated)
210	Douglass	Cache la Poudre	North of Ft. Collins and west of Highway 15. Existing embankment dam	Dry Creek	53,400	X	X	LP2 Water must be available from a legally and physically available source (water source eliminated)
211	North Poudre No. 05 and No. 06	Cache la Poudre	Wellington. Existing embankment dam	Off-channel	48,470	X	X	LP2 Water must be available from a legally and physically available source (water source eliminated)
212	Pleasant Valley (Terry Lake)	St. Vrain River	North of Longmont. Existing embankment raise	Off-channel	4,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment

TABLE B-1
"LONG LIST" OF

WATER SUPPLY SOURCES AND INFRASTRUCTURE COMPONENTS

Component/Water Source Eliminated at:

Screen 1A (Alternatives screened out or partially screened out in Screen 1A - see Water Source and Component columns)

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X Indicates that this entry was considered as a Water Source/Component

ID	Name	Basin/Major Tributary	Location/General Description	River/Stream	Potential Storage (AF)	Water Source	Component	Screen 1A Criteria
213	Boulder Reservoir	St. Vrain River	Northeast of Boulder, west of Highway 119. Existing embankment dam	Dry Creek / Little Dry Creek	Not Listed	X	X	LG2 Must be outside of national or state parks, wild and scenic areas, and Superfund site
214	Bear Creek	South Platte	Lakewood. Existing embankment dam	Bear Creek	18,400	X	X	LI1 Must not require Congressional action
215	Chatfield Lake	South Platte	Littleton. Existing embankment dam	South Platte	Not Listed	X	X	LI1 Must not require Congressional action
216	Button Rock Reservoir	St. Vrain River	West of the Town of Lyons. Existing rockfill dam	North St. Vrain Creek	12,500	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
217	Carter Lake	Big Thompson River	10 miles SW of Loveland. Existing earth-rock dam	Off-channel	23,000 - 108,000	X	X	LI1 Must not require Congressional action
218	Marshall Lake	South Platte	Southeast of Boulder. Existing embankment dam	South Boulder Creek	15,200	X	X	LG3 Must be outside of lands that are integral to development plans of other entities
219	Arvada Reservoir (Blunn Dam)	South Platte	East of Highway 93. Existing embankment dam	Ralston Creek	< 15,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
220	Standley Lake	South Platte	Arvada, Westminster. Existing embankment dam	Big Dry Creek (water from Clear Creek diversion)	18,740	X	X	LG3 Must be outside of lands that are integral to development plans of other entities
221	Antero	South Platte River	West of Hartsel. Existing earthfill	South Platte River	5,100 (lost volume)	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
222	Calkins Lake (Union)	St. Vrain River	East of Longmont. Existing embankment dam	Off-channel	20,000	X	X	LG3 Must be outside of lands that are integral to development plans of other entities
223	Gross Dam	South Platte	35 miles northwest of Denver and six miles south-west of Boulder. Existing concrete gravity arch	South Boulder Creek	72,000	X	X	
224	Elevenmile	South Platte River	Existing gravity arch concrete dam	South Platte River	Not Listed	X	X	PN2 Must supply water to Moffat Collection System
225	Cheesman Reservoir	South Platte River	Existing masonry dam	South Platte River	Not Listed	X	X	PN2 Must supply water to Moffat Collection System
226	Highland No. 3 Reservoir	South Platte River	Existing dam (type not specified)	Big Thompson River	3,500	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
227	Various Sites in need of repairs	South Platte	Existing dams	Various	10 - 500	--	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
228	Horse Creek	South Platte River	Existing reservoir northeast of Barr Lake. Existing earthfill dam	Horse Creek	60,000	X	X	
229	Milton Reservoir	South Platte River	Existing reservoir east of Platteville. Existing earthfill dam	Off-channel	72,000	X	X	PN3 Must produce a solution within the necessary near term timeframe
231	Silver Lake	St. Vrain River	13 miles South-east of Collbran. Existing embankment dam	A tributary of Big Creek	5,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
232	Julesburg	Lower South Platte River	Northeast Colorado, Logan/Sedgwick Counties. Existing embankment dam	Off-channel	21,900	X	X	
234	Bijou #2 Dam #1	South Platte	Adams County. Existing dam problem: scarping of US face	Off-channel	1,700 (lost volume)	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
235	Empire (Outlet Embankment)	South Platte	West of the Town of Wiggins. Existing dam problem: absence of spillway	Off-channel	2,779 (lost volume)	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
236	Prospect	South Platte River	Existing dam problem: Questionable slope stability	Lost Creek	600 (lost volume)	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
237	Riverside	South Platte	North of the Town of Wiggins. Existing dam problem: prevent overfilling of reservoir	Sanborn Draw	2,500 (lost volume)	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
238	Black Hollow	South Platte	Northeast of Windsor. Existing dam problem: inadequate spillway	Black Hollow Creek	999 (lost volume)	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
239	Elder	Cache la Poudre	Fort Collins. Existing dam problem: sinkholes	Off-channel	500 (lost volume)	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
240	Mountain Supply #1	Cache la Poudre	Fort Collins. Existing dam problem: poor conditions	Sand Creek	500 (lost volume)	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
241	Mountain Supply #8	Cache la Poudre	Fort Collins. Existing dam problem: poor conditions	Cache la Poudre River	643 (lost volume)	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment

TABLE B-1
"LONG LIST" OF
WATER SUPPLY SOURCES AND INFRASTRUCTURE COMPONENTS

Component/Water Source Eliminated at:

Screen 1A (Alternatives screened out or partially screened out in Screen 1A - see Water Source and Component columns)

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ID	Name	Basin/Major Tributary	Location/General Description	River/Stream	Potential Storage (AF)	Water Source	Component	Screen 1A Criteria
242	North Poudre #4	Cache la Poudre	Wellington. Existing dam problem: poor conditions	Off-channel	562 (lost volume)	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
243	Julesburg #4	South Platte	Sedgwick County. Existing dam problem: condition of outlet, excessive seepage	Off-channel	6,964 (lost volume)	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
244	Tarryall	South Platte River	Southeast of Jefferson along Highway 77. Existing dam problem: cracking dam and unstable during overtopping	Tarryall Creek	500 (lost volume) 1,963 (lost volume)	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
245	Other existing St. Vrain basin reservoirs	St. Vrain River	Boulder County. Existing dams (type not specified)	Various	> 15,000	X	X	PN3 must produce a solution within the necessary timeframe
246	Other existing Cache la Poudre basin reservoirs	Cache la Poudre	Larimer County. Existing dams (type not specified)	Various	> 15,000	X	X	PN3 must produce a solution within the necessary timeframe
247	Other existing Big Thompson Reservoirs	South Platte River	Various Sites. Existing dams (type not specified)	Big Thompson Tributaries	Various	X	X	PN3 must produce a solution within the necessary timeframe
248	Foothills	St. Vrain River	Southeast of Lyons. Existing embankment dam	Off-channel	4,260	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
250	Other existing Cache la Poudre Reservoirs	South Platte River	Various Sites	Cache la Poudre River Tributaries	< 15,000	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
252	Highland No. 3 (Foster)	St. Vrain River	East of Longmont and south of Highway 66. Existing embankment dam	Off-channel	3,500	X	X	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
Institutional/Water Management								
300	Institutional/Water Management Concepts							
301	Raw Water Load Shift	South Platte	New raw water pipeline (and pumping facilities) would deliver raw water to the Moffat Delivery Point from a new diversion in Waterton Canyon or from Conduit 26 at Foothills Treatment Plant		Not Listed	X	--	
302	Integrated operation with NCWCD		Integrated and cooperative operation of collection/storage/treatment for Denver Water and NCWCD		Not Listed	X	--	L11 Must not require Congressional action
303	Northglenn Water Exchange	South Platte River	Berthoud Canal Exchange for South System Water		Not Listed	X	--	PN1 Must provide new firm yield
304	Renegotiate 1940 Consolidated Ditch Agreement	Colorado River	Renegotiate Agreement to allow reuse of Fraser Basin water.		Not Listed	X	--	PN3 Must produce a solution within the necessary timeframe
305	Treated Water Load Shift	South Platte	Conduits, pumping, and treated water storage to transmit treated water from Foothills or Marston to the Moffat System.		Not Listed	X	--	
306	Buy Back Contract Commitments	South Platte	Buy back all portions of the raw water contract to Arvada, North Table Mountain, Westminster		Not Listed	X	--	PN3 Must produce a solution within the necessary timeframe
307	Land Purchase & Conversion to Open Space	South Platte	Purchase land in service area and convert to open space		Not Listed	X	--	PN3 Must produce a solution within the necessary timeframe
309	Around the Horn	South Platte	Divert DW winter/dry year summer water at Windy Gap, wheel through CBT facilities and add new conveyance to Denver Water Moffat Collection System		Not Listed	X	--	L11 Must not require Congressional action
310	Integrated Aurora & Denver Operations	South Platte River	Upper South Platte Basin. Could include joint operations of existing reservoirs (Antero, Spinney Mountain, Elevenmile), joint construction of new reservoirs, or other cooperative action.		Not Listed	X	--	PN2 Must supply water to Moffat Collection System
311	Vail Ditch	Colorado River	Purchase Vail Ditch and convey via Moffat Delivery System. Vail Ditch is an agricultural diversion at Grand County downstream of the Meadow Creek Diversion	Meadow Creek	<15,000 af	X	--	PN1 Must provide new firm yield
315	Chatfield Storage Reallocation	South Platte River	Chatfield Reservoir, Douglas County		Not Listed	X	--	L11 Must not require Congressional action
400	Reuse & Treatment Alternatives Concepts							
401	Direct Potable Reuse	South Platte	Water from Metro Reclamation Facility would be sent to an Advanced Water Treatment Plant, then blended in the existing distribution system		Not Listed	X	--	ET1 Must use proven technology and management practices

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ID	Name	Basin/Major Tributary	Location/General Description	River/Stream	Potential Storage (AF)	Water Source	Component	Screen 1A Criteria
402	Indirect Potable Reuse	South Platte	Water from Metro Reclamation Facility would be sent to an Advanced Water Treatment Plant, then conveyed to existing storage (Ralston Reservoir) or new storage, and then to the Moffat water treatment plant		Not Listed	X	--	
403	Expand Non-Potable Reuse	South Platte	Expand Denver Water Recycling Plant and conveyance facilities to accommodate additional non-potable demand uses		Not Listed	X	--	LP2 Water must be available from a legally and physically available source
500	Demand Reduction Concepts							
501	Convert Northwest Raw Water Contracts to Treated Water Contracts	South Platte	Additional treatment capacity at Foothills or Marston, conduits, pumping, and treated water storage to transmit treated water to Arvada, Westminster and North Table Mountain		Not Listed	X	--	PN3 Must produce a solution with the necessary timeframe
600	Agricultural & Other Water Purchase Concepts							
601	Agricultural Water Purchase	South Platte	Lower S. Platte River, agricultural water available above Greeley, Colorado. Divert and pump back to Moffat Collection System		Not Listed	X	--	
602	Goose Pasture Tarn Water Lease/Purchase	Upper Blue River Basin	Summit County	Upper Blue River	Not Listed	X	--	LP2 Water must be available from a legally and physically available source
603	Clinton Gulch Reservoir Water Lease/Purchase	Blue River Basin	Summit County	Clinton Gulch	<15,000 af	X	--	LP1 Must be capable of storing at least 15,000 acre-feet in any new surface impoundment
604	Barr Lake Plan	South Platte	Third Creek Corp., Burlington Ditch Reservoir and Land Company, and Henrylyn Irrigation District	Beebe Draw	Not Listed	X	--	LG2 Must be outside of National or state parks, Wild and Scenic areas, and Superfund sites
605	Thornton Pivot	South Platte	Trade Conduit 81 for Standley South Platte raw water. Thornton would buy Denver Water's contract and supply it with South Platte water, freeing up Moffat Water for Denver Water		<15,000 af	X	--	PN1 Must provide new firm yield
700	Surface Water Concepts (Colorado & South Platte Rivers)							
701	Dillon to Hoosier Tunnel Pumpback	Colorado River	Pump water from Blue River basin through the tunnel to Denver Water South System	Blue River	Not Listed	X	--	PN2 Must supply water to Moffat Collection System
702	Exchange or Pumpback to Moffat Tunnel	Colorado River	Grand County	Fraser River	Not Listed	X	--	LP2 Water must be available from a legally and physically available source
705	Surface Water: Cache la Poudre	Cache la Poudre	Tributaries within the Basin above the confluence with South Platte River	Tributaries	Not Listed	X	--	LP2 Water must be available from a legally and physically available source
706	Surface Water: Big Thompson	Big Thompson River	Tributaries (Big Thompson and Little Thompson) within the Basin above the confluence with South Platte River	Tributaries	Not Listed	X	--	LP2 Water must be available from a legally and physically available source
707	Surface Water: St. Vrain Creek	St. Vrain Creek	Tributaries within the Basin above the confluence with South Platte River	Tributaries	Not Listed	X	--	LP2 Water must be available from a legally and physically available source
708	Surface Water: Clear Creek	Clear Creek	Tributaries within the Basin above the confluence with South Platte River	Tributaries	Not Listed	X	--	LP2 Water must be available from a legally and physically available source (only junior rights available)
800	Groundwater Concepts							
801	Denver Basin Groundwater Aquifer	South Platte	City/County of Denver. New wells pipeline and pump stations	S. Platte	Not Listed	X	X	LP2 Water must be available from a legally and physically available source (water source eliminated)
802	Denver Basin Brackish Groundwater Aquifer	South Platte	City/County of Denver. New wells, desalinization plant, piping, and pump station	S.Platte	Not Listed	X	--	ET2 Must not require extreme technical effort to overcome conditions at the site
803	Denver Basin Tributary Aquifers	South Platte	City/County of Denver		Not Listed	X	--	LP2 Water must be available from a legally and physically available source
804	Conjunctive Use - Beebe Draw	South Platte River	Various Sites	Beebe Draw	Not Listed	X	--	LG3 Must be outside of lands that are integral to development plans of other entities
805	Shallow Aquifer Storage - Box Elder (alternates Kiowa or Bijou Creek)	South Platte River	Various Sites	Box Elder	Not Listed	--	X	

TABLE B-1
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ID	Name	Basin/Major Tributary	Location/General Description	River/Stream	Potential Storage (AF)	Water Source	Component	Screen 1A Criteria
806	Shallow Aquifer Storage - Lost Creek	South Platte River	Various Sites	Lost Creek	Not Listed	--	X	
807	Shallow Aquifer Storage - Badger Creek	South Platte River	Various Sites	Badger creek	Not Listed	--	X	
808	Non-Tributary Groundwater	South Platte	Lower S. Platte River Basin	South Platte	Not Listed	X	--	LP2 Water must be available from a legally and physically available source
900	Conveyance Components							
901	DW South System Interconnect	South Platte River	Blue River water delivered via new Tunnel from near Roberts tunnel east portal (El. 8690) to Bear Creek (El. 8200, near Singing River Ranch-14 miles), down Bear Creek and then picked up and sent via Conduit X to Moffat WTP.	Bear Creek	Not Listed	--	X	
902	Dillon to North System Delivery	Colorado River	Blue River water delivered via new tunnel from Dillon Reservoir to Clear Creek and then picked up and sent via Conduit X to Moffat water treatment plant.	Clear Creek	Not Listed	--	X	
903	Conduit X	South Platte River	South Platte River Diversion (existing or new lower diversion point) to Moffat water treatment plant. Raw water load shift	Not Applicable	Not Listed	--	X	
904	New South Platte River Diversion - Conduit to Moffat WTP	South Platte River	New diversion on the river in metropolitan Denver, at yet to be identified location. Raw water load shift	South Platte River	Not Listed	--	X	
905	Roberts Tunnel/Cheesman Interconnection	South Platte River	Park County	South Platte River	Not Listed	--	X	PN2 Must supply water to Moffat Collection System
906	Straight Creek Diversion	Colorado River	Diversion to Dillon Reservoir	Straight Creek	Not Listed	--	X	LP2 Water must be available from a legally and physically available source
907	Conduit Y	South Platte	Deep aquifer storage conveyance to the Moffat Collection System. New pipeline	Denver Basin	Not Listed	--	X	
908	Conduit Z	South Platte	Shallow aquifer storage conveyance to and from Denver Water Recycling Plant vicinity. New pipeline	South Platte River/Box Elder Creek	Not Listed	--	X	
909	Conduit M	South Platte	Re-useable Water conveyance from the Denver Water Recycling Plant to the Moffat Collection System. New pipeline	South Platte	Not Listed	--	X	
910	Agricultural Water Delivery Conduit	South Platte	Agricultural Water Conveyance from diversion near Greeley to Moffat Collection System. New pipeline	South Platte	Not Listed	--	X	

**TABLE B-1
"LONG LIST" OF**

WATER SUPPLY SOURCES AND INFRASTRUCTURE COMPONENTS

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ID	Name	Basin/Major Tributary	Location/General Description	River/Stream	Potential Storage (AF)	Water Source	Component	Screen 1A Criteria
1100	Diverse and Distant Sources of Supply Concepts							
1101	Colorado River Return Project	Colorado River	Pump back via pipelines, tunnels, storage reservoirs to Dillon Reservoir; then deliver to the Moffat Collection System via one of the alternatives developed	Colorado River	> 100,000 af	X	--	PN3 Must produce a solution within the necessary near term timeframe
1103	Other out-of-basin purchases	Various	Arkansas, Gunnison and others	Various	Not Listed	X	--	LG1 Must be within the State of Colorado and in South Platte and Colorado River Basins

Note: Under Potential Storage, lost volume is obtained from the Colorado Division of Water Resources' list of restricted storage volume due to structural deficiencies.

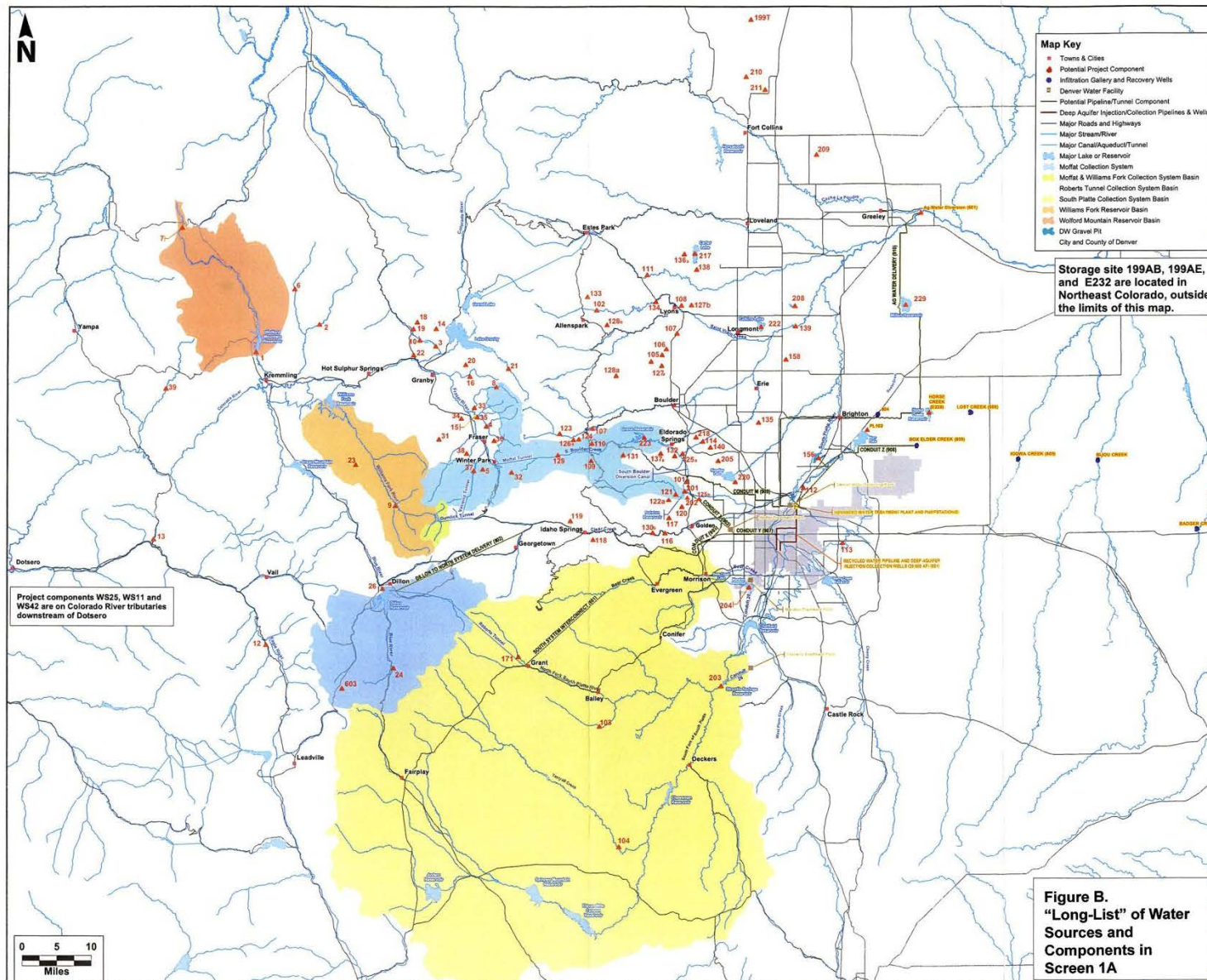


Table B-2
Water Supply Sources and Components
Remaining After Screen 1A

-- Indicates that this entry was not considered as a Concept/Component

X Indicates that this entry was considered as a Concept/Component

ID	Name	Basin/Major Tributary	Location/General Description	River/Stream	Potential Storage (AF)	Water Source	Component	Reason/Comments
0	West Slope Components							
9	Williams Fork Extension	Colorado River	Extend Williams Fork Collection system south to Middle Fork and Short Creek, and north to Darling Creek. New network of canals, pipelines, tunnels and diversion structures	Williams Fork River	Not Applicable	X		
9 B	Williams Fork Collection System Expansion/Pumpback (South Fork Project)	Colorado River	Upstream of Williams Fork Reservoir. Requires South Fork Reservoir located upstream of the confluence of the Williams Fork River and the South Fork to provide West Slope storage for maximum yield. New dam as a forebay for pumping, in addition to canals, pipelines, tunnels, and diversion structures	South Fork of the Williams Fork River	Not Applicable	X	X	Nominal storage of 12,000 AF would be included in this project as a pumping forebay to transfer water from lower elevations in the South Fork collection system.
100	New Storage Components - Front Range nearby Plains							
101	Leyden Gulch Dam	South Platte	5 miles north of Golden, Colorado; southwest of the intersection of State Highway 93 and 72. New embankment dam	Leyden Gulch	30,000 - 60,000 Site may be able to accommodate 72,000		X	Alternate storage site.
105	Buckingham	St. Vrain River	0.5 mi downstream of confluence of Left Hand and James Creek. New embankment or concrete gravity dam	Left Hand Creek	35,000		X	Source (St. Vrain) is over-appropriated Location is an alternate site for storage of Moffat System water. It is secondary to storage locations in the South Boulder Creek Basin.
106	Geer Canyon	St. Vrain River	5 mi North of Boulder. New rockfill dam	Left Hand Creek	25,000		X	Source (St. Vrain) is over-appropriated Location is an alternate site for storage of Moffat System water. It is secondary to storage locations in the South Boulder Creek Basin.
107	Lykens Gulch	St. Vrain River	5 mi south of Lyons. New embankment dam	Off-channel	20,000		X	Source (St. Vrain) is over-appropriated Location is an alternate site for storage of Moffat System water. It is secondary to storage locations in the South Boulder Creek Basin.
108	Stone Canyon	St. Vrain River	0.5 mi east of Lyons. New embankment dam	Tributary to North St. Vrain	31,800		X	Source (St. Vrain) is over-appropriated Location is an alternate site for storage of Moffat System water. It is secondary to storage locations in the South Boulder Creek Basin.
109	Thorodin	Boulder Creek	11 mi Southwest of Boulder. New embankment dam	S. Beaver Creek	33,000		X	Source (Boulder Creek) is over-appropriated Location is an alternate site for storage of Moffat System water. It is secondary to storage locations in the South Boulder Creek Basin.
118	Soda Creek Dam site	Clear Creek	Approx. 1 mile upstream from confluence with Clear Creek. New RCC dam	Soda Creek	35000 - 80,000		X	Major hot springs located approx. 3/4 mile downstream of proposed dam site.
121	Upper Ralston	South Platte	1 mi upstream of existing Ralston Reservoir. New rockfill dam	Ralston Creek	58,000		X	Located at the edge of White Ranch Park which could limit the storage size.
127 A	Sixmile Canyon	St. Vrain River	4 mi north of Boulder. New embankment dam	Off-channel	18,000		X	Source (St. Vrain) is over-appropriated Location is an alternate site for storage of Moffat System water. It is secondary to storage locations in the South Boulder Creek Basin.
127 B	Dowe Flats	St. Vrain River	2 mi East of Lyons along Hwy 66. New embankment dam	Off-channel	119,000		X	Source (St. Vrain) is over-appropriated Location is an alternate site for storage of Moffat System water. It is secondary to storage locations in the South Boulder Creek Basin.
128 B	Big John	St. Vrain River	3.5 mi Southeast of Allenspark. New embankment dam	Dry St. Vrain	30,000		X	Source (St. Vrain) is over-appropriated Location is an alternate site for storage of Moffat System water. It is secondary to storage locations in the South Boulder Creek Basin.
133	Tahosa	St. Vrain River	12 mi west of Lyons. New embankment dam	Cow Creek	15,000		X	Source (St. Vrain) is over-appropriated Location is an alternate site for storage of Moffat System water. It is secondary to storage locations in the South Boulder Creek Basin.
156	Gravel Pit Storage	South Platte River	Various Front Range sites	Near South Platte River	Varies	--	X	Location for diversion and pumping of South Platte River reusable water.
171	Grant (Geneva Creek Reservoir)	South Platte	Park County. New dam (type not specified)	Geneva Creek	37,700		X	Location is an alternate site for storing Blue River and South Platte River water. It is secondary to storage options for the South System Interconnect (ID 901).

Table B-2
Water Supply Sources and Components
Remaining After Screen 1A

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ID	Name	Basin/Major Tributary	Location/General Description	River/Stream	Potential Storage (AF)	Water Source	Component	Reason/Comments
199 T	Box Elder	Cache la Poudre	15 miles north of Fort Collins near Buckeye. New embankment dam	Box Elder Creek	20,300		X	Source (Cache la Poudre) is over-appropriated Location is an alternate site for storage of agricultural water. It is considered secondary to the Horse Creek Reservoir storage locations. Does not add firm yield; only junior rights available.
199 A	Wildcat	Lower South Platte River	8 miles north of Ft. Morgan. New embankment dam	Wildcat Creek (intermittent)	60,000		X	Location is an alternate site for storage of agricultural water. It is considered secondary to the Horse Creek Reservoir storage option. Does not add firm yield; only junior rights available.
199 A	Spring Creek	Lower South Platte River	Northern Weld County east of I-25, near Ault. New embankment dam	Spring Creek	27,500		X	Location is an alternate site for storage of agricultural water. It is considered secondary to the Horse Creek Reservoir storage option.
200	Existing Reservoir Components - Front Range (Enlargement/Repairs)							
201	Ralston Dam	South Platte	West of Highway 93 and North of Golden. Existing embankment dam	Ralston Creek	4,800 to about 57,000	--	X	Existing Denver Water reservoir.
209	Big Windsor Res.	Cache la Poudre	Weld County, approx. 10 miles southeast of Ft. Collins. Existing embankment dam	Off-channel	29,200		X	Source (Cache la Poudre) is over-appropriated Location is an alternate site for storage of agricultural water. It is considered secondary to the Horse Creek Reservoir storage locations.
210	Douglass	Cache la Poudre	North of Ft. Collins and west of Highway 15. Existing embankment dam	Dry Creek	53,400		X	Source (Cache la Poudre) is over-appropriated Location is an alternate site for storage of agricultural water. It is considered secondary to the Horse Creek Reservoir storage locations.
211	North Poudre No. 05 and No. 06	Cache la Poudre	Wellington. Existing embankment dam	Off-channel	48,470		X	Source (Cache la Poudre) is over-appropriated Location is an alternate site for storage of agricultural water. It is considered secondary to the Horse Creek Reservoir storage locations.
223	Gross Dam	South Platte	35 miles northwest of Denver and six miles south-west of Boulder. Existing concrete gravity arch	South Boulder Creek	72,000		X	Existing Denver Water reservoir.
228	Horse Creek	South Platte River	Existing reservoir northeast of Barr Lake. Existing earthfill dam	Horse Creek	60,000		X	Potential point of access to purchased agricultural rights. Potential location for storage of purchased agricultural rights.
232	Julesburg	Lower South Platte River	Northeast Colorado, Logan/Sedgwick counties. Existing embankment dam	Off-channel	21,900		X	Potential point of access to purchased agricultural rights. Potential location for storage of purchased agricultural rights. Considered secondary to Horse Creek Reservoir site.
	Institutional/Water Management							
300	Institutional/Water Management Concepts							
301	Raw Water Load Shift	South Platte	New raw water pipeline (and pumping facilities) would deliver raw water to the Moffat Delivery Point from a new diversion in Waterton Canyon or from Conduit 26 at Foothills Treatment Plant		Not Listed	X	--	With new firm yield, water source carried forward in Alternatives 4 and 5.
305	Treated Water Load Shift	South Platte	Conduits, pumping, and treated water storage to transmit treated water from Foothills or Marston to the Moffat System.		Not Listed	X	--	By itself does not add firm yield. Water Source carried forward as Alt. 12a
400	Reuse & Treatment Alternatives Concepts							
402	Indirect Potable Reuse	South Platte	Water from Metro Reclamation Facility would be sent to an advanced water treatment plant, then conveyed to existing storage (Ralston Reservoir) or new storage, and then to the Moffat WTP		Not Listed	X	--	

Table B-2
Water Supply Sources and Components
Remaining After Screen 1A

-- Indicates that this entry was not considered as a Concept/Component
X Indicates that this entry was considered as a Concept/Component

ID	Name	Basin/Major Tributary	Location/General Description	River/Stream	Potential Storage (AF)	Water Source	Component	Reason/Comments
600	Agricultural & Other Water Purchase Concepts							
601	Agricultural Water Purchase	South Platte	Lower S. Platte River, agricultural water available above Greeley, Colorado. Divert and pump back to Moffat Collection System		Not Listed	X	--	
800	Groundwater Concepts							
801	Denver Basin Groundwater Aquifer	South Platte	City/County of Denver. New wells pipeline and pump stations	S. Platte	Not Listed		X	Screened out as water source - does not provide a sustainable water supply Retained as component - storage location for ASR schemes (Alts. 10, 11, 12)
805	Shallow Aquifer Storage - Box Elder (alternates Kiowa or Bijou Creek)	South Platte River	Various Sites	Box Elder	Not Listed	--	X	Alternate sites, Kiowa and Bijou creeks, were eliminated in the preliminary environmental screen.
806	Shallow Aquifer Storage - Lost Creek	South Platte River	Various Sites	Lost Creek	Not Listed	--	X	
807	Shallow Aquifer Storage - Badger Creek	South Platte River	Various Sites	Badger creek	Not Listed	--	X	
900	Conveyance Components							
901	DW South System Interconnect	South Platte River	Blue River water delivered via new tunnel from near Roberts tunnel east portal (El. 8690) to Bear Creek (El 8200, near Singing River Ranch-14 miles), down Bear Creek and then picked up and sent via Conduit X to Moffat WTP	Bear Creek	Not Listed	--	X	
902	Dillon to North System Delivery	Colorado River	Blue River water delivered via new tunnel from Dillon Reservoir to Clear Creek and then picked up and sent via Conduit X to Moffat WTP.	Clear Creek	Not Listed	--	X	
903	Conduit X	South Platte River	South Platte River Diversion (existing or new lower diversion point) to Moffat WTP. Raw water load shift	Not Applicable	Not Listed	--	X	
904	New South Platte River Diversion - Conduit to Moffat WTP	South Platte River	New diversion on the river in metropolitan Denver, at yet to be identified location. Raw water load shift	South Platte River	Not Listed	--	X	
907	Conduit Y	South Platte	Deep aquifer storage conveyance to the Moffat Collection System. New pipeline	Denver Basin	Not Listed	--	X	
908	Conduit Z	South Platte	Shallow aquifer storage conveyance to and from Denver Water Recycling Plant vicinity. New pipeline	South Platte River/Box Elder Creek	Not Listed	--	X	
909	Conduit M	South Platte	Re-useable Water conveyance from the Denver Water Recycling Plant to the Moffat Collection System. New pipeline	South Platte	Not Listed	--	X	
910	Agricultural Water Delivery Conduit	South Platte	Agricultural water conveyance from diversion near Greeley to Moffat Collection System. New pipeline	South Platte	Not Listed	--	X	

